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AZ CORP COMMISSION
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Attorneys for Arizona Public Service Company

BEFORE THE ARIZONA CORPORATION COMMISSION

COMMISSIONERS

BOB STUMP, Chairman
GARY PIERCE
BRENDA BURNS
ROBERT L. BURNS
SUSAN BITTER SMITH

Arizona Corporation Commission

DOCKETED

NOV 13 2014

DOCKETED BY

IN THE MATTER OF THE APPLICATION
OF ARIZONA PUBLIC SERVICE
COMPANY, PURSUANT TO ARIZONA
REVISED STATUTE § 40-252, FOR AN
AMENDMENT OF ARIZONA
CORPORATION COMMISSION DECISION
NO. 68063.

Docket No. L-00000D-05-0128-00000

**REQUEST TO EXTEND CEC TERM
-AND-
NOTICE OF CHANGE IN TYPE OF
TRANSMISSION STRUCTURE IN
LINK 10 RE CEC 128**

I. INTRODUCTION

Arizona Corporation Commission ("Commission") Decision No. 68063 (August 17, 2005) approved a Certificate of Environmental Compatibility ("CEC") for a 500kV transmission line, two switchyards and related facilities. The CEC authorizes Arizona Public Service Company ("APS" or "Company") to build a 500kV transmission line from the Palo Verde Nuclear Generating Station Switchyard¹ ("Palo Verde Switchyard") to the Sun Valley

¹ Consistent with Condition 24 in CEC 128, on February 5, 2010, APS filed a letter in the docket informing the ACC that APS pursued, in good faith, a commercially reasonable interconnection agreement at both the Delaney Substation and the Arlington Valley Switchyard, and that APS selected Palo Verde as the interconnection point for the PV to Sun Valley/TS-5 transmission line.

1 Substation (formerly TS-5) ("Project"). Commission Decision No. 68063 and the CEC will
2 be referred to collectively as "CEC 128." Decision No. 68063 is attached as Exhibit A.

3 APS requests that the Commission extend the time period to construct the portion of
4 line from the Delaney Switchyard (formerly Harquahala Junction Switchyard) to the Sun
5 Valley Substation from August 17, 2015 to August 17, 2020. The portion of the transmission
6 line from the Palo Verde Switchyard to the Delaney Switchyard will remain unchanged
7 (August 17, 2025). Condition No. 3 in CEC 128 authorized (1) a ten-year term for
8 constructing the 500kV transmission line from the Delaney Switchyard to the Sun Valley
9 Substation, and (2) a twenty-year term for constructing the line from the Palo Verde
10 Switchyard to the Delaney Switchyard, unless construction was completed to the point that
11 the project was capable of operating by that time. Additionally, APS gives the Commission
12 notice that it intends to use monopole structures in three locations, rather than the lattice
13 structures approved in CEC 128.

14 **II. EXTENSION OF CEC TERM ALLOWS APS TO BUILD FACILITIES WHEN**
15 **NEEDED TO SUPPORT LOAD GROWTH.**

16 APS's existing electric system is sufficient to meet current customer load; however,
17 the electrical facilities approved in CEC 128 will strengthen the entire APS metropolitan area
18 transmission system by providing an additional electrical transmission source to the Valley.
19 It will also increase transmission import capability into the Phoenix area as well as increase
20 transmission export capability from the Palo Verde Hub in the coming years. *See* Affidavit of
21 D. Brad Larsen at ¶ 3, attached as Exhibit B. In APS's 2014 Ten Year Transmission System
22 Plan, APS reported an estimated in-service date of 2016 for this Project.²

23 APS respectfully requests that the time period to construct the transmission line from
24 the Delaney Switchyard to the Sun Valley Substation be extended for an additional five years
25 to August 17, 2020. Consistent with the above, APS requests that the following language be
26 substituted for the language of Condition No. 3 as set forth in CEC 128:

27
28 ² Docket No. E-00000D-13-0002, January 31, 2014.

1 This authorization to construct shall expire (i) August 17, 2020 for that portion
2 of the Project from the Delaney Switchyard to the Sun Valley Substation; and
3 (ii) on August 17, 2025 for that portion of the Project from the Palo Verde
4 Switchyard to the Delaney Switchyard, unless construction is completed to the
5 point that the Project is capable of operating by that time; provided, however,
6 that prior to either such expiration the Applicant or its assignees may request
7 that the Commission extend this time limitation.

8 Condition No. 14 of CEC 128 requires APS to "use reasonable means to directly notify
9 all landowners and residents adjacent to the right-of-way for the Project facilities ... of the
10 time and place of the proceeding in which the Commission shall consider" a request for the
11 extension of the CEC term. See Attachment 1 to Exhibit B for a sample notice APS intends
12 to use to notify landowners and residents of the Commission proceeding regarding this
13 request for extension.

14 **III. MONOPOLE STRUCTURES REQUIRED IN THREE LOCATIONS** 15 **ADJACENT TO THE PALO VERDE SWITCHYARD.**

16 APS intends to use monopole structures in three specific locations at the origination
17 point of the transmission line, which is immediately adjacent to the Palo Verde Switchyard,
18 marked as Link 10 on the attached map. See Exhibit C. CEC 128 authorized APS to
19 construct eight transmission structures in Link 10 using lattice towers to match existing
20 transmission structures. See Tr. at p. 65, June 6, 2005. The monopole structure is an
21 approved transmission structure in CEC 128, although not approved for use in Link 10. See
22 Exhibit D.

23 Since the time CEC 128 was granted in 2005, there have been significant physical
24 changes on the PVNGS property due to operational and security upgrades at the Plant. APS
25 finalized its design and engineering for the transmission line considering the changes at Palo
26 Verde Nuclear Generating Station, which require the use of monopole structures in three
27 locations (marked as structures 1, 2 and 3 on Exhibit C). See Exhibit B at ¶ 4. The monopole
28 structure, which is a tubular steel pole, will have a reduced footprint and minimize
encroachment on an existing distribution line, roads, parking lot, and new drainage areas. See
Exhibit B at ¶ 6.

1 APS does not view the change in the type of transmission structure as a substantial
2 change because the monopole structures are not expected to have any adverse environmental
3 effects and each monopole structure will have a smaller footprint (one foundation versus four
4 for each structure). See Exhibit B at ¶ 7. PVNGS Joint Participants, including APS, own the
5 property at the Palo Verde Switchyard and no other landowners will be impacted. See Exhibit
6 B at ¶ 8. Furthermore, the monopole structure is a transmission structure that was approved
7 in CEC 128. See Exhibit B at ¶ 5.

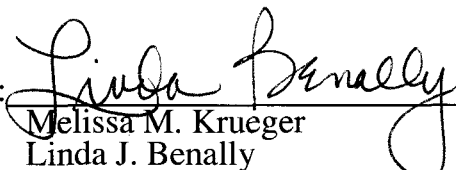
8 Nevertheless, in an abundance of caution, APS notifies the Commission of this change.
9 If the Commission deems the change to require Commission approval, then APS respectfully
10 requests that this filing be treated as an application under A.R.S. § 40-252 to amend CEC 128
11 to authorize the use of monopole structures in three locations in Link 10. APS suggests that
12 the following language be added on p. 4, line 4 of CEC 128:

13 In Link 10, the Project may use monopole structures in three locations
14 immediately adjacent to the Palo Verde Switchyard.

15 **IV. CONCLUSION**

16 For the reasons discussed above, APS requests the Commission extend the term of
17 CEC 128 and modify the language of Condition No. 3. If the Commission believes that the
18 Company's plan to use monopole structures in three specific locations, as described herein, is
19 a substantial change, APS asks the Commission to amend Decision No. 68063 under A.R.S. §
20 40-252 to approve this change.

21 **RESPECTFULLY SUBMITTED** this 13th day of November 2014.

22
23 By: 
24 Melissa M. Krueger
Linda J. Benally

25 Attorneys for Arizona Public Service Company

26 ...

27 ...

1 **ORIGINAL** and thirteen (13) copies
2 of the foregoing filed this 13th day of
3 November, 2014, with:

4 The Arizona Corporation Commission
5 Hearing Division – Docket Control
6 1200 West Washington Street
7 Phoenix, Arizona 85007

8 **COPY** of the foregoing hand-delivered
9 this 13th day of November 2014, to:

10 Janice Alward
11 Chief Counsel, Legal Division
12 Arizona Corporation Commission
13 1200 West Washington Street
14 Phoenix, Arizona 85007

15 Steve Olea, Director
16 Utilities Division
17 Arizona Corporation Commission
18 1200 West Washington Street
19 Phoenix, Arizona 85007

20 **COPIES** of the foregoing mailed this
21 13th day of November, 2014, to:

22 Attorney General's Designee
23 Arizona Power Plant and Transmission Line Siting Committee
24 Office of the Attorney General
25 PAD/CPA
26 1275 West Washington Street
27 Phoenix, Arizona 85007
28

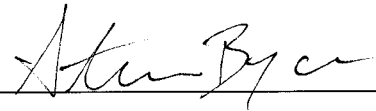


EXHIBIT A



BEFORE THE ARIZONA CORPORATION COMMISSION

EXHIBIT A
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COMMISSIONERS

Arizona Corporation Commission

DOCKETED

AUG 17 2005

DOCKETED BY

JEFF HATCH-MILLER, Chairman
WILLIAM A. MUNDELL
MARC SPITZER
MIKE GLEASON
KRISTIN K. MAYES

IN THE MATTER OF THE APPLICATION OF
ARIZONA PUBLIC SERVICE COMPANY IN
CONFORMANCE WITH THE REQUIREMENTS OF
ARIZONA REVISED STATUTES SECTION
40-360, et seq., FOR A CERTIFICATE OF
ENVIRONMENTAL COMPATIBILITY AUTHORIZING
THE PALO VERDE HUB TO TS-5 500kV
TRANSMISSION PROJECT WHICH INCLUDES A
500kV TRANSMISSION LINE AND ASSOCIATED
FACILITIES AND INTERCONNECTIONS
ORIGINATING FROM EITHER THE PALO VERDE
NUCLEAR GENERATING STATION SWITCHYARD,
SECTION 34, TOWNSHIP 1 NORTH, RANGE 6 WEST,
G&SRB&M, OR A NEW SWITCHYARD AT THE
ARLINGTON VALLEY ENERGY FACILITY, SECTION
17, TOWNSHIP 1 SOUTH, RANGE 6 WEST,
G&SRB&M, EACH LOCATED SOUTH OF
INTERSTATE 10 NEAR WINTERSBURG ROAD IN AN
UNINCORPORATED AREA OF MARICOPA COUNTY,
ARIZONA, TO THE TS-5 SUBSTATION NEAR THE
HASSAYAMPA PUMPING PLANT ALONG THE
CENTRAL ARIZONA PROJECT CANAL, IN THE
TOWN OF BUCKEYE, MARICOPA COUNTY,
ARIZONA, AT SECTION 29, TOWNSHIP 4 NORTH,
RANGE 4 WEST, G&SRB&M

Docket No. L-00000D-05-0128-00000

Case No. 128

DECISION NO. 68063

The Arizona Corporation Commission ("Commission") has conducted its review, pursuant to A.R.S. § 40-360.07. The Commission finds and concludes that the Certificate of Environmental Compatibility ("CEC") issued by the Arizona Power Plant and Transmission Line Siting Committee ("Committee") is hereby granted as modified and amended by this Order.

The Commission modifies the CEC by deleting CEC Conditions 21 and 22 and substituting new Conditions 21 and 22 as follows:

21. Applicant shall provide copies of this Certificate to appropriate city and

1 county planning agencies, the county board of supervisors, mayor and
2 town council of appropriate cities, the Arizona Department of Real Estate
3 ("ADRE"), SHPO, AGFD and ASLD.

- 4 22. Prior to the date this transmission line is put into commercial service,
5 Applicant shall provide homebuilders and developers within one mile of
6 the center line of the certificated route the identity, location and a pictorial
7 depiction of the type of power line being constructed, accompanied by a
8 written description, and encourage the developers and homebuilders to
9 include this information in the developers' and homebuilders'
10 homeowners' disclosure statement.

11 The Commission further modifies the CEC to add the following new Condition 26 as follows:

- 12 26. If any archaeological, paleontological or historical site or object that is at
13 least fifty years old is discovered on state, county or municipal land during
14 plan-related activities, the person in charge shall promptly report the
15 discovery to the Director of the Arizona State Museum, and in
16 consultation with the Director, shall immediately take all reasonable steps
17 to secure and maintain the preservation of the discovery pursuant to
18 A.R.S. § 41-844.

19 The Commission further finds and concludes that: (1) the Project is in the public interest
20 because it aids the state in meeting the need for an adequate, economical and reliable supply of
21 electric power; (2) in balancing the need for the Project with its effect on the environment and
22 ecology of the state, the conditions placed on the CEC by the Committee and as modified by the
23 Commission effectively minimize its impact on the environment and ecology of the state; (3) the
24 conditions placed on the CEC by the Committee and as modified by the Commission resolve matters
25 concerning the need for the Project and its impact on the environment and ecology of the state raised
26 during the course of proceedings, and as such, serve as the findings on the matters raised; and (4) in
27 light of these conditions, the balancing in the broad public interest results in favor of granting the
28 CEC as modified by the Commission.

1 THE CEC ISSUED BY THE SITING COMMITTEE IS

2 INCORPORATED HEREIN AND IS APPROVED AS MODIFIED BY ORDER OF THE

3 ARIZONA CORPORATION COMMISSION

4
5
6
7  CHAIRMAN

8  COMMISSIONER

9
10  COMMISSIONER

11  COMMISSIONER

12  COMMISSIONER

13 IN WITNESS WHEREOF, I BRIAN C. MCNEIL, Executive
14 Secretary of the Arizona Corporation Commission, have
15 hereunto, set my hand and caused the official seal of this
16 Commission to be affixed at the Capitol, in the City of Phoenix,
17 this 17th day of August, 2005.

18 
19 BRIAN C. MCNEIL
20 Executive Secretary

21 DISSENT: _____

22 DISSENT: _____

**BEFORE THE ARIZONA POWER PLANT AND
TRANSMISSION LINE SITING COMMITTEE**

IN THE MATTER OF THE APPLICATION
OF ARIZONA PUBLIC SERVICE
COMPANY IN CONFORMANCE WITH
THE REQUIREMENTS OF ARIZONA
REVISED STATUTES SECTION 40-360,
et seq., FOR A CERTIFICATE OF
ENVIRONMENTAL COMPATIBILITY
AUTHORIZING THE PALO VERDE HUB TO
TS-5 500kV TRANSMISSION PROJECT,
WHICH INCLUDES A 500kV
TRANSMISSION LINE AND ASSOCIATED
FACILITIES AND INTERCONNECTIONS
ORIGINATING FROM EITHER THE PALO
VERDE NUCLEAR GENERATING
STATION SWITCHYARD, SECTION 34,
TOWNSHIP 1 NORTH, RANGE 6 WEST,
G&SRB&M, OR A NEW SWITCHYARD AT
THE ARLINGTON VALLEY ENERGY
FACILITY, IN THE NORTHEAST QUARTER
OF SECTION 17, TOWNSHIP 1 SOUTH,
RANGE 6 WEST, G&SRB&M, EACH
LOCATED SOUTH OF INTERSTATE 10
NEAR WINTERSBURG ROAD IN AN
UNINCORPORATED AREA OF MARICOPA
COUNTY, ARIZONA, TO THE TS-5
SUBSTATION NEAR THE HASSAYAMPA
PUMPING PLANT ALONG THE CENTRAL
ARIZONA PROJECT CANAL, IN THE
TOWN OF BUCKEYE, MARICOPA
COUNTY, ARIZONA, AT SECTION 29,
TOWNSHIP 4 NORTH, RANGE 4 WEST,
G&SRB&M

Docket No. L-00000D-05-0128

Case No. 128

CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY

Pursuant to notice given as provided by law, the Arizona Power Plant and
Transmission Line Siting Committee (the "Committee") held public hearings on June 6
and 7, 2005, all in conformance with the requirements of Arizona Revised Statutes
(A.R.S.) § 40-360, *et seq.*, for the purpose of receiving evidence and deliberating on the
Application of Arizona Public Service Company ("Applicant") for a Certificate of
Environmental Compatibility in the above-captioned case.

1 The following members and designees of members of the Committee were present
2 at one or more of the hearings for the evidentiary presentations and/or for the
3 deliberations:

4 Laurie Woodall	Chairman, Designee for Arizona Attorney General, Terry Goddard
5 Ray Williamson	Designee for Chairman, Arizona Corporation 6 Commission
7 Paul Rasmussen	Designee for Director, Arizona Department of 8 Environmental Quality
9 David Eggleston	Designee for Director, Energy Department, Arizona Department of Commerce
10 Sandie Smith	Appointed Member
11 Jeff McGuire	Appointed Member
12 Margaret Trujillo	Appointed Member
13 Michael Whalen	Appointed Member
14 Michael Palmer	Appointed Member

15 The Applicant was represented by Thomas H. Campbell of Lewis and Roca LLP
16 and Karilee Ramaley of the Pinnacle West Capital Corporation Law Department. The
17 following parties were granted intervention pursuant to A.R.S. § 40-360.05: Arizona
18 Corporation Commission Staff, represented by Diane Targovnik and Keith Layton.

19 At the conclusion of the hearings, the Committee, having received the Application,
20 the appearances of the parties, the evidence, testimony and exhibits presented at the
21 hearings, and being advised of the legal requirements of Arizona Revised Statutes §§ 40-
22 360 to 40-360.13, upon motion duly made and seconded, voted unanimously to grant the
23 Applicant a Certificate of Environmental Compatibility (Case No. 128) for authority to
24 construct the following facilities: a 500kV transmission line within a corridor as indicated
25 below and depicted on Attachment A, two switchyards and related facilities including the
26

1 possible consolidation of a portion of the Bureau of Reclamation ("BOR") 230kV line
2 connected to the Central Arizona Project's Hassayampa Pumping Plant (the "Project").

3 The transmission line originates at either the Palo Verde Nuclear Generating Station
4 ("PVNGS") Switchyard (Line Siting Case Nos. 22 and 24) located in Section 34,
5

6 Township 1 North, Range 6 West or at a new switchyard at the Arlington Valley Energy
7 Facility (Line Siting Case No. 98) located in the northeast quarter of Section 17, Township
8 1 South, Range 6 West. If the line originates at the PVNGS Switchyard, the line will be
9 located within a 1,000-foot corridor on the north side of the existing centerline of the Palo
10

11 Verde-Devers No. 1 500kV transmission line (Line Siting Case Nos. 34 and 48) for this
12 portion of the route (Link 10 as depicted on the attached map). If the route originates at a
13 new switchyard at the Arlington Valley Energy Facility, the line will be located within a
14 2,500-foot corridor west of the centerline of the existing Harquahala-Hassayampa 500kV
15 transmission line (Line Siting Case No. 96) (Link 20). Both interconnection options
16

17 proceed to a common point approximately ½ mile west of Wintersburg Road. From this
18 location, the route proceeds west and then northwest, paralleling the existing Palo Verde-
19 Devers No. 1 and Harquahala-Hassayampa 500kV transmission lines to the proposed
20

21 Harquahala Junction Switchyard located in the southwest quarter of Section 25, Township
22 2 North, Range 8 West near 451st Avenue and the Thomas Road alignment (Link 30). For
23 this portion of the route, the line will be located within a 1,000-foot corridor on the north
24 and east side of the existing centerline of the Palo Verde-Devers No. 1 500kV
25

26 transmission line. Links 10 or 20 and Link 30 of the Proposed Route will be built in a

1 later phase if the Harquahala Junction Switchyard is built as part of this Project. If the
2 Harquahala Junction Switchyard is not built as part of this Project, Links 10 or 20 and
3 Link 30 will be constructed at the same time as the other links of this Project. Links 10 or
4 20 and Link 30 will be constructed using lattice tower structures. From the Harquahala
5 Junction Switchyard, the line proceeds generally north across I-10 and the Central Arizona
6 Project ("CAP") Canal parallel to the Palo Verde-Devers No. 1 500kV transmission line
7 (Link 50) within a 1,000 foot corridor on the east side of the centerline of the existing
8 transmission line. Link 50 will be constructed using lattice tower structures. At this point,
9 the route turns easterly and will be located on the north side of the CAP Canal (Links 60,
10 80, 90 and 100) near the foothills of the Belmont Mountains to a point approximately ½
11 mile west of Wickenburg Road. This portion of the line will be located within a 2,000-
12 foot corridor beginning 130 feet north of the centerline of the CAP Canal. Link 60 will be
13 constructed using monopole structures. Links 80, 90, and 100 will be constructed using
14 either lattice tower or monopole structures. At this point, the line will continue in an
15 easterly direction and cross Wickenburg Road approximately ½ mile north of the CAP
16 Canal to a point approximately 1 mile east of Wickenburg Road (Link 110). This portion
17 of the line will be located within a 3,000-foot corridor beginning 130 feet north of the
18 centerline of the CAP Canal. Link 110 will be constructed on either lattice tower or
19 monopole structures. From this point, the route will turn northeast and cross two existing
20 230kV and one existing 345kV transmission lines as well as the Hassayampa River before
21 paralleling the north and west sides of the CAP Canal until it crosses the CAP Canal into
22
23
24
25
26

1 the TS-5 Substation (Line Siting Case No. 127) located in Section 29, Township 4 North,
2 Range 4 West (Links 120 and 130). This portion of the line will be located within a 2,000-
3 foot corridor beginning 130 feet north of the centerline of the CAP Canal and within a
4 corridor on the south side of the CAP Canal adjacent to the TS-5 substation sufficient to
5 interconnect with the TS-5 Substation. The portion of Link 120 located on BLM-managed
6 land will be constructed using either lattice tower or monopole structures. The portion of
7 Link 120 located on private or BOR-managed land and the entirety of Link 130 will be
8 constructed using monopole structures.
9
10

11 This Certificate is granted upon the following conditions:

- 12 1. The Applicant shall obtain all required approvals and permits
13 necessary to construct the Project.
- 14 2. The Applicant shall comply with all existing applicable standards and
15 regulations, and with all existing applicable ordinances, master plans
16 and regulations of the County of Maricopa, the State of Arizona, the
17 United States, and any other governmental entities having jurisdiction
18 including the Bureau of Land Management's Decision Record and
19 Plan of Development.
- 20 3. This authorization to construct shall expire (i) 10 years from the date
21 the Certificate is approved by the Arizona Corporation Commission
22 (the "Commission") for that portion of the Project from the
23 Harquahala Junction Switchyard to the TS-5 Substation; and (ii) 20
24 years from the date this Certificate is approved by the Commission
25 for that portion of the Project from the Palo Verde Hub to the
26

1 Harquahala Junction Switchyard, unless construction is completed to
2 the point that the Project is capable of operating by that time;
3 provided however that prior to either such expiration the Applicant or
4 its assignees may request that the Commission extend this time
5 limitation.

6 4. The Applicant shall make every reasonable effort to identify and
7 correct, on a case-specific basis, all complaints of interference with
8 radio or television signals from operation of the transmission line and
9 related facilities addressed in this Certificate. The Applicant shall
10 maintain written records for a period of five years of all complaints of
11 radio or television interference attributable to operation, together with
12 the corrective action taken in response to each complaint. All
13 complaints shall be recorded to include notations on the corrective
14 action taken. Complaints not leading to a specific action or for which
15 there was no resolution shall be noted and explained. The record
16 shall be signed by the Applicant and also the complainant, if possible,
17 to indicate concurrence with the corrective action or agreement with
18 the justification for a lack of action.

19 5. The Project shall comply with applicable noise guidelines of the
20 federal Department of Housing and Urban Development and the
21 Environmental Protection Agency.

22 6. The Applicant shall continue to consult with the State Historic
23 Preservation Office ("SHPO") to reach a determination of any
24 cultural or archaeological impacts as a result of construction
25 activities. The Applicant will provide to SHPO for review and
26 approval a treatment plan (if necessary) to minimize impacts and shall

1 continue to consult with SHPO to resolve any such impacts. The
2 Applicant shall avoid or minimize impacts to properties considered
3 eligible for inclusion in the State and National Register of Historic
4 Places to the extent practicable. Prior to construction, the Applicant
5 agrees to collect the three ceramic vessels identified as IOs 30, 58,
6 and 65 in Section 3.4.2 of the Environmental Assessment (Exhibit B-
7 1 in the application).

8 7. If human remains and/or funerary objects are encountered during the
9 course of any ground disturbing activities relating to the development
10 of the subject property, Applicant shall cease work on the affected
11 area of the Project and notify the Director of the Arizona State
12 Museum in accordance with A.R.S. § 41-865.

13 8. Applicant shall consult an archeologist during construction activities
14 in applicable areas, as determined by SHPO, to advise them in
15 connection with any additional archeological studies that may be
16 required and any mitigation efforts for archeological sites that may be
17 affected by the construction of the Project.

18 9. After construction, the Applicant, in conjunction with any applicable
19 land managing agency, shall allow Arizona Site Stewards, a
20 volunteer-staffed SHPO program, to periodically inspect
21 archeological sites within the corridor for vandalism or other damage.

22 10. The Applicant shall follow the Arizona State Land Department's
23 ("ASLD") instructions, if any, regarding the treatment of State
24 Register of Historic Places-eligible properties situated on Arizona
25 State Land Department land in consultation with SHPO.
26

- 1 11. Where practicable, the Applicant shall use existing roads for
2 construction and access. The Applicant shall minimize vegetation
3 disturbance outside of the power line right-of-way, particularly in
4 drainage channels and along stream banks, and shall reseed native
5 areas of construction disturbance outside of the power line right-of-
6 way after construction has been completed.
- 7 12. The Applicant shall use non-specular conductor and dulled surfaces
8 for transmission line structures.
- 9 13. Within 45 days of securing easement or right of way for the Project
10 on private property, the Applicant shall erect and maintain signs
11 providing public notice that the property is the site of a future
12 transmission line. Such signage shall be no smaller than a normal
13 roadway sign printed on materials of a color designed to attract
14 attention. The Applicant shall place signs such that the public is
15 notified along the full length of the transmission line until the
16 transmission structures are constructed. There must also be signs at
17 the location of the proposed switchyards. The signs shall advise:
- 18 • that the site has been approved for the construction of Project
19 facilities including a 500 kV transmission line, as applicable; to
20 the individual site;
 - 21 • the size and location of the respective switchyard;
 - 22 • the expected date of completion of the Project facilities;
 - 23 • a phone number for public information regarding the Project;
 - 24 • the name of the Project;
 - 25 • the name of the Applicant; and
 - 26 • the Applicant's website.

- 1 14. In the event that the Project requires an extension of the term of this
2 Certificate prior to completion of construction, Applicant shall use
3 reasonable means to directly notify all landowners and residents
4 adjacent to the right-of-way for the Project facilities for which the
5 extension is sought. Such landowners and residents shall be notified
6 of the time and place of the proceeding in which the Commission
7 shall consider such request for extension.
- 8 15. Before construction on this Project may commence, the Applicant
9 must file a Plan of Development approved by the Bureau of Land
10 Management ("BLM") with ACC Docket Control with copies to
11 affected areas of jurisdiction. Applicant will comply with the BLM's
12 Standard Construction and Operating Procedures and Mitigation
13 Measures (Attachment B).
- 14 16. Applicant will provide AGFD with the draft Plan of Development for
15 comment.
- 16 17. Applicant shall monitor all ground clearing/disturbance activities that
17 could affect sensitive species or habitat. Where warranted, Applicant
18 shall retain a qualified biologist to conduct pre-construction activities
19 to minimize or prevent impacts to sensitive species or habitat.
20 Specifically, Applicant shall survey or monitor for Sonoran desert
21 tortoises. If desert tortoises are encountered during construction, the
22 Applicant shall follow the BLM's *Strategy for Desert Tortoise*
23 *Habitat Management on Public Lands in Arizona*.
- 24 18. Applicant will adhere to Arizona's Native Plant Law.
- 25
- 26

- 1 19. Applicant shall work with the applicable jurisdictions to implement
- 2 landscaping for the switchyard sites in accordance with municipal
- 3 planning and zoning requirements.
- 4 20. With respect to the Project, Applicant shall participate in good faith in
- 5 state and regional transmission study forums, and shall coordinate
- 6 transmission expansion plans related to the Project to resolve
- 7 transmission constraints in a timely manner.
- 8 21. Applicant shall provide copies of this Certificate to appropriate city
- 9 and county planning agencies, SHPO, AGFD and ASLD.
- 10 22. Applicant shall work with developers and homebuilders along the
- 11 route to encourage them to include the identity and location of the
- 12 certificated route in the developers' and homebuilders' homeowners'
- 13 disclosure statement.
- 14 23. Applicant shall publish a copy of this certificate and the attachments
- 15 on Applicant's project website within 10 days of approval of the
- 16 Commission.
- 17 24. Applicant shall pursue good faith efforts to reach a commercially
- 18 reasonable agreement for interconnection at a new Arlington Valley
- 19 500kV Switchyard and/or a new Harquahala Junction 500kV
- 20 Switchyard. Applicant shall file with the ACC Utilities Division no
- 21 later than December 31, 2005, a report summarizing its efforts, the
- 22 option(s) ultimately selected, and the reasons other option(s) were not
- 23 selected. Applicant will not sign an Interconnection Agreement to
- 24 interconnect at the Palo Verde Switchyard until completion of the
- 25 above requirements.
- 26

25. Applicant shall submit a self-certification letter annually, identifying which conditions contained in the Certificate have been met. Each letter shall be submitted to the Utilities Division Director on December 1, beginning in 2006. Attached to each certification letter shall be documentation explaining, in detail, how compliance with each condition was achieved. Copies of each letter, along with the corresponding documentation, shall also be submitted to the Arizona Attorney General and Department of Commerce Energy Office.

GRANTED this 15 day of June 2005.

ARIZONA POWER PLANT AND
TRANSMISSION LINE SITING COMMITTEE

By: 

Laurie A. Woodall, Chairman

**PALO VERDE HUB
TO TS-5 500KV
TRANSMISSION PROJECT**

Attachment A

Legend

Siting Corridor

Reference Features

Study Area

Link Number

Link Node

Approved Future 500/230KV
Substation Siting Area

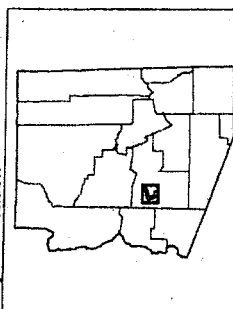
New Switchyard Siting Area

Existing Substation / Switchyard

Existing High-Voltage
Transmission Line

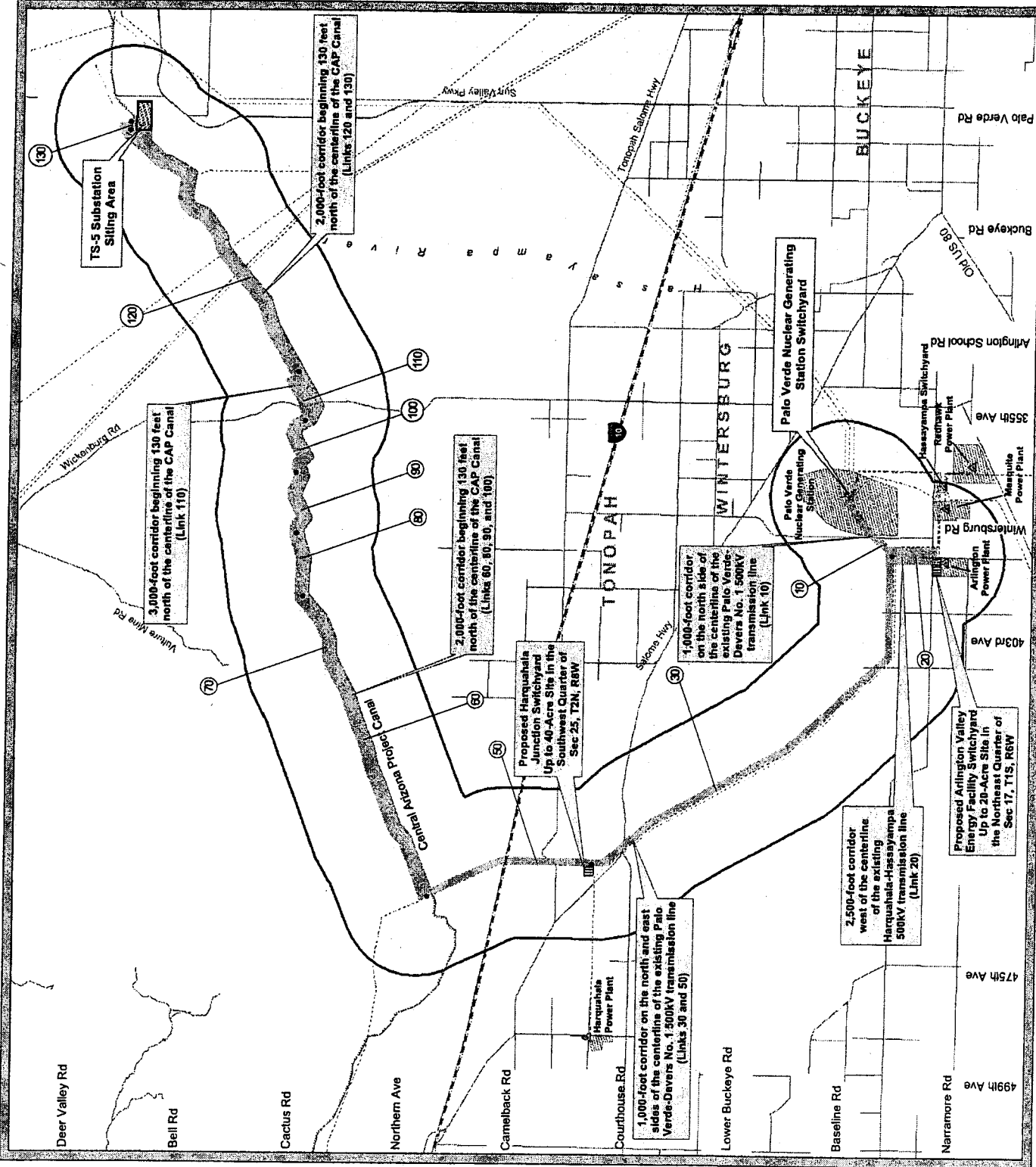
Central Arizona Project Canal

Project Location



Sources

U.S. Bureau of Land Management (2004),
Arizona Department of Transportation (2004),
U.S. Department of Transportation (2004)



ATTACHMENT "B"

ATTACHMENT B
STANDARD CONSTRUCTION AND OPERATING PROCEDURES
AND MITIGATION MEASURES

1. All construction vehicle movement outside of the right-of-way will be restricted to predesignated access, contractor acquired access, or public roads.
2. The limits of construction activities will typically be predetermined, with activity restricted to and confined within those limits. No paint or permanent discoloring agents will be applied to rocks or vegetation to indicate survey or construction activity limits. The right-of-way boundary will be flagged in environmentally sensitive areas described in the specific plan of development to alert construction personnel that those areas should be avoided.
3. In construction areas where recontouring is not required, vegetation will be left in place wherever possible to avoid excessive root damage and allow for resprouting.
4. In construction areas (e.g., marshalling yards, structure sites, spur roads from existing access roads) where ground disturbance is significant or where recontouring is required, surface restoration will occur as required by the landowner or land-management agency. The method of restoration will typically consist of returning disturbed areas to their natural contour (to the extent practical), reseeding or revegetating with native plants (if required), installing cross drains for erosion control, placing water bars in the road, and filling ditches. Seed must be tested and certified to contain no noxious weeds in the mix by the State of Arizona Agricultural Department. Seed viability must also be tested at a certified laboratory approved by the authorized officer.
5. Watering facilities (e.g., tanks, developed springs, water lines, wells, etc.) will be repaired or replaced to their predisturbed conditions as required by the landowner or land-management agency if they are damaged or destroyed by construction activities.
6. Prior to construction, all construction personnel will be instructed on the protection of cultural, paleontological, and ecological resources. To assist in this effort, the construction contract will address (a) federal and state laws regarding antiquities, fossils, and plants and wildlife, including collection and removal; and (b) the importance of these resources and the purpose and necessity of protecting them.
7. Impact avoidance and mitigation measures for cultural resources developed in consultation with BLM and the ASLD will be implemented.
8. The project sponsors will respond to complaints of line-generated radio or television interference by investigating the complaints and implementing appropriate mitigation measures. The transmission line will be patrolled on a regular basis so that damaged insulators or other line materials that could cause interference are repaired or replaced.
9. The project sponsors will apply necessary mitigation to minimize problems of induced currents and voltages onto conductive objects sharing a right-of-way, to the mutual satisfaction of the parties involved.
10. All construction and maintenance activities shall be conducted in a manner that will minimize disturbance to vegetation, drainage channels, and intermittent and perennial streambanks. In addition, all existing roads will be left in a condition equal to or better than their condition prior to the construction of the transmission line.
11. All requirements of those entities having jurisdiction over air quality matters will be adhered to and any necessary permits for construction activities will be obtained. Open burning of construction debris (cleared trees, etc.) will not be allowed on BLM administered lands.

12. Fences and gates, if damaged or destroyed by construction activities, will be repaired or replaced to their original predisturbed condition as required by the landowner or the land-management agency. Temporary gates will be installed only with the permission of the landowner or the land-management agency, and will be restored to their original predisturbed condition following construction.
13. The proposed hardware and conductor will limit the audible noise, radio interference (RI), and television interference (TVI) due to corona. Tension will be maintained on all insulator assemblies to assure positive contact between insulators, thereby avoiding sparking. Caution will be exercised during construction to avoid scratching or nicking the conductor surface, which may provide points for corona to occur.
14. During operation of the transmission line, the right-of-way will be maintained free of construction related non-biodegradable debris.
15. Totally enclosed containment will be provided for all debris. All construction waste including debris, litter, garbage, other solid waste, petroleum products, and other potentially hazardous materials will be removed to a disposal facility authorized to accept such materials.
16. Structures will be constructed to conform to "Suggested Practices for Raptor Protection on Power Lines" (Avian Power Line Interaction Committee 1996).
17. Species protected by the Arizona Native Plant Law will be salvaged. A salvage plan approved by the BLM will be included in the specific plan of development. Generally, salvage may include:
 - removal and stockpiling for replanting on site
 - removal and transplanting out of surface disturbance area
 - removal and salvage by private individuals
 - removal and salvage by commercial dealers
 - any combination of the above
18. The alignment of any new access roads or overland routes will follow the designated area's landform contours where possible, providing that such alignment does not additionally impact resource values. This would minimize ground disturbance and reduce scarring.
19. All new access roads not required for maintenance will be permanently closed using the most effective and least environmentally damaging methods appropriate to that area with concurrence of the landowner or land manager (e.g., stock piling and replacing topsoil, or rock replacement). This would limit access into the area. Fencing, signing, and other closure methods will be determined by the BLM and paid for by the contractor or APS.
20. In designated areas, structures will be placed or rerouted so as to avoid sensitive features such as, but not limited to, riparian areas, watercourses, and cultural sites, or to allow conductors to clearly span the features, within limits of standard tower design.
21. Transmission line structures will comply with Federal Aviation Administration Guidelines to minimize aircraft hazards (Federal Aviation 77).
22. Special status species or other species of particular concern will continue to be considered during the construction phase of the Project, in accordance with management policies set forth by the BLM and other appropriate land management agencies. This will entail monitoring for plant and wildlife species of concern along the proposed transmission line and associated facilities (i.e., access roads and staging areas). In cases where such species are identified, appropriate action will be taken to avoid adverse impacts on the species and its habitat.
23. The contractor or APS will submit to BLM a proposed road development plan for inclusion in the Plan of Development for the alignment between Burnt Mountain (Links 60/70) and Link 110. The goal of the plan is to limit new road construction to a minimum and discourage an east to west travel corridor.

279703

EXHIBIT B

STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

AFFIDAVIT OF D. BRAD LARSEN

I, D. Brad Larsen, being duly sworn under oath, depose and state:

1. I am a Senior Siting Consultant for Arizona Public Service Company ("APS" or "Company").

2. I am personally familiar with the Certificate of Environmental Compatibility issued on August 17, 2005 for Case No. 128 ("CEC 128") as well as the proposed changes to CEC 128 related to APS's 500kV transmission line from the Palo Verde Nuclear Generating Station Switchyard ("Palo Verde Switchyard") to the Sun Valley Substation (formerly TS-5) and associated interconnections.

3. CEC 128 authorizes APS to build approximately 43 miles of 500kV transmission line originating at the Palo Verde Switchyard to the Sun Valley Substation (the "Project"). When constructed, this 500kV transmission line will strengthen the entire APS metropolitan area transmission system (comprised of APS, Salt River Project, and Western Area Power Administration transmission facilities) by providing an additional electrical transmission source to the Valley. Additionally, the Project will increase transmission import capability into the Phoenix metropolitan area, as well as increase transmission export capability from the Palo Verde Hub in the coming years.

4. I am personally familiar with the physical changes at the Palo Verde Nuclear Generating Station ("PVNGS") due to operational and security upgrades as they impact the Project. APS finalized its design and engineering for the transmission line considering the changes at PVNGS, which required the use of monopole structures in three locations at the origination point of the Project, which is adjacent to the Palo Verde Switchyard.

5. The monopole structure was approved for use in CEC 128 and included as Exhibit G-1 to the CEC 128 application.

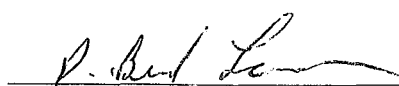
6. The monopole structure, which is a tubular steel pole, will have a reduced footprint and minimize encroachment on an existing distribution line, roads, parking lot and new drainage areas.

7. The monopole structures are not expected to result in any adverse environmental effects, and it will have a smaller footprint.

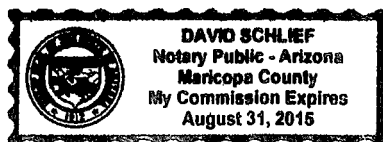
8. PVNGS Joint Participants, including APS, own the property where the transmission line originates at the Palo Verde Switchyard, and no other landowners will be impacted.

9. Condition No. 14 of CEC 128 requires APS to "use reasonable means to directly notify all landowners and residents adjacent to the right-of-way for the Project facilities for which the extension is sought . . . of the time and place of the proceeding in which the Commission shall consider" an extension of the CEC term. Attachment 1 to my affidavit is a draft sample notice APS will use to notify landowners and residents of this request for extension.

DATED this 12 day of November, 2014.


D. Brad Larsen

Sworn to and subscribed before me this 12th day of November, 2014.




Notary Public

My Commission expires:

8-31-2015

BEFORE THE ARIZONA CORPORATION COMMISSION
Docket No. L-00000D-05-0128, Case 128
Palo Verde Hub to Sun Valley (TS-5) 500-kV Transmission Line Project

NOTICE OF OPEN MEETING

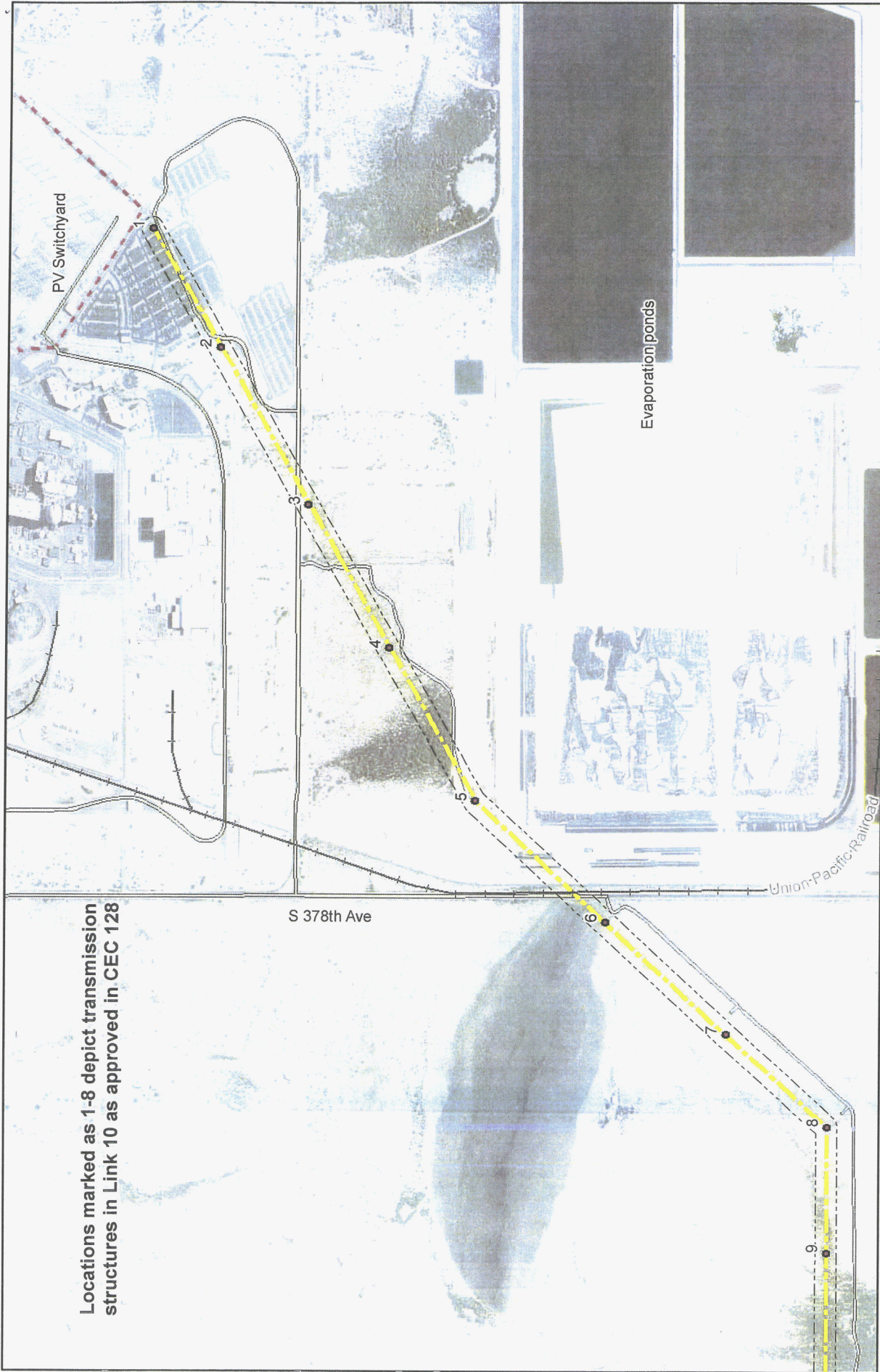
An Open Meeting will be held by the Arizona Corporation Commission regarding Arizona Public Service Company's (APS) request to extend the term of the Certificate of Environmental Compatibility (CEC) in the above referenced docket. In Decision No. 68063, the Commission granted APS authorization to construct approximately 43 miles of 500kV transmission line, two switchyards and associated facilities (Project).

APS has requested that the Commission extend the time period to construct the portion of line from the Palo Verde Switchyard to the Delaney Switchyard to August 17, 2020. The transmission line from the Delaney Switchyard (formerly Harquahala Junction Switchyard) to the Sun Valley Substation (formerly TS5) will remain unchanged. APS is also proposing an amendment to the CEC which would allow APS to use monopole structures, rather than lattice structures specified in CEC 128, in three locations adjacent to the Palo Verde Switchyard.

The Open Meeting will be held at the Arizona Corporation Commission, 1200 West Washington Street, Phoenix, Arizona 85007, Hearing Room ____ on _____, 2014 at (insert time).

More information is available at www.aps.com/siting. Questions on the Project may be directed to D. Brad Larsen, Senior Siting Consultant, APS Transmission and Facility Siting Department at 602-493-4338 or by email at D.Brad.Larsen@aps.com. A copy of the Company's application is available on the internet via the Commission's website at www.azcc.gov using the eDocket function or at the Commission Office.

EXHIBIT C



Palo Verde to Delaney 500kV Transmission Line
Overview Structures 1 to 8

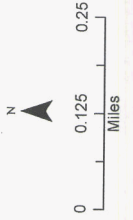


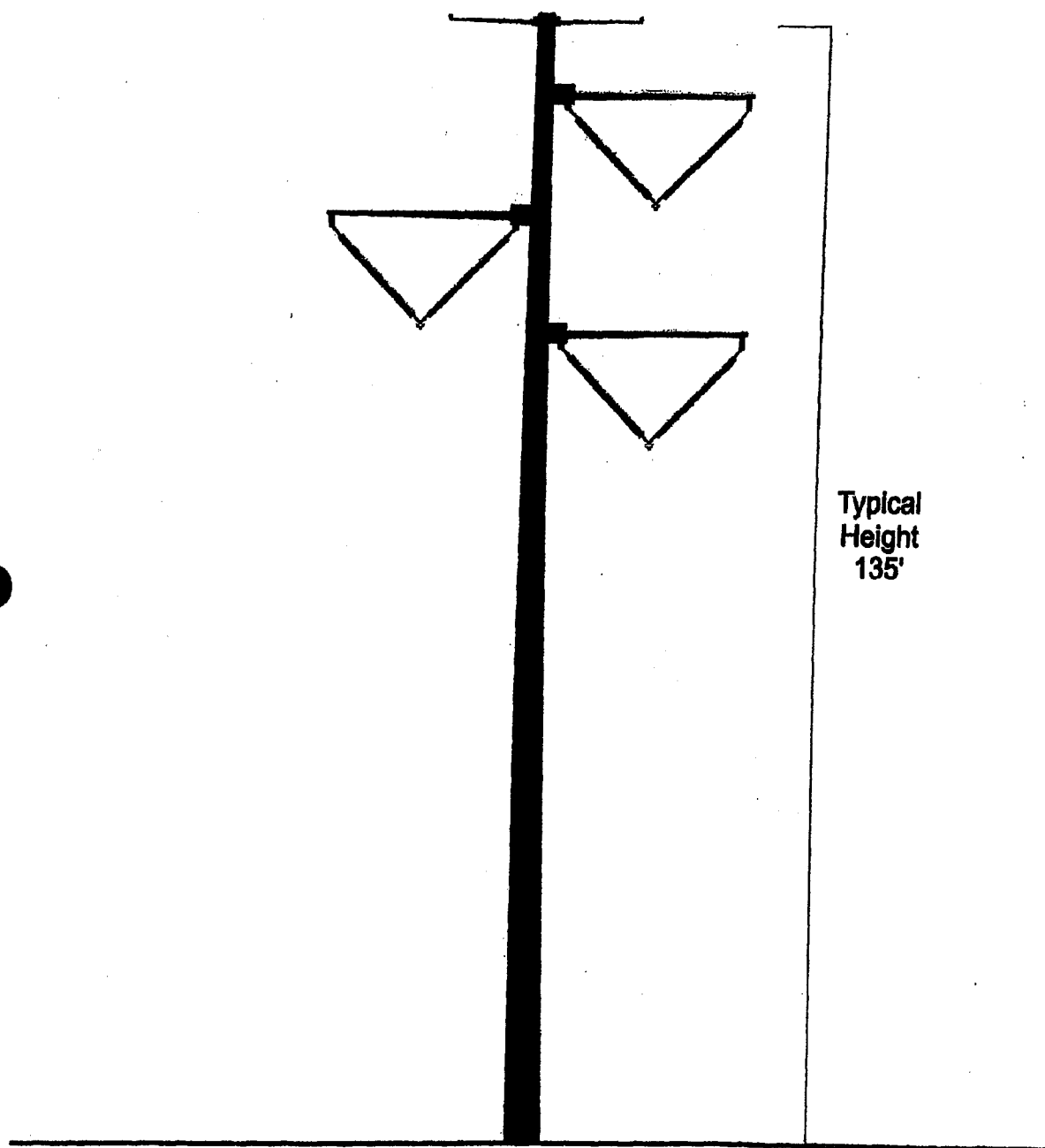
EXHIBIT D

EXHIBIT G
CONCEPTS OF PROPOSED FACILITIES

As stated in Arizona Corporation Commission Rules of Practice and Procedure R14-3-219:

"Attach any artist's or architect's conception of the proposed plant or transmission line structures and switchyards, which applicant believes may be informative to the committee."

Exhibit G-1 to G-4 Typical 500kV Structures
Exhibit G-5 Modified 500kV Structure
Exhibit G-6 Typical 500kV Switchyard Arrangement
Exhibit G-7 to G-17 Simulations



Typical
Height
135'

Exhibit G-1
Typical 500kV Single Circuit Tangent Steel Pole